



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/927,474	08/13/2001	Philip Cunetto	P19740.P05	6140
7055	7590	05/19/2006	EXAMINER	
GREENBLUM & BERNSTEIN, P.L.C. 1950 ROLAND CLARKE PLACE RESTON, VA 20191			MERED, HABTE	
			ART UNIT	PAPER NUMBER
			2616	

DATE MAILED: 05/19/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

09/927,474

Applicant(s)

CUNETTO ET AL

Examiner

Habe Mered

Art Unit

2616

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 10 February 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 25,26,28 and 34-49 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 25,26,28 and 34-49 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)             | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)    | Paper No(s)/Mail Date. _____  |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____   | 6) <input type="checkbox"/> Other: _____                                    |

### DETAILED ACTION

1. The amendment filed on 2/10/2006 has been entered and fully considered.
2. Claims 1-24, 27, and 29-33 are cancelled.
3. Claims 25, 26, 28, and 34-49 are pending of which claims 34-49 are newly added claims.

### ***Claim Rejections - 35 USC § 103***

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. **Claims 25, 26, and 28** are rejected under 35 U.S.C. 103(a) as being unpatentable over Gallant et al (US Pub. No. 2001/0026553), hereinafter referred to as Galant, in view of Dommety et al (US 6, 078, 575), hereinafter referred to as Dommety.

*Gallant teaches an intelligent policy server system for an ATM network.*

6. Regarding **claim 25**, Gallant teaches a computer readable medium for storing a computer program that associates a switched virtual circuit (SVC) connection request in a high speed data network with a network subscriber, the computer readable medium comprising (**See Paragraphs 7-12**): a receiving code segment that receives a signaling protocol message requesting the SVC connection from the subscriber (**See Paragraph 15, Figure 4A steps 402 and**

Art Unit: 2616

**404 and Paragraphs 59 and 60)**, the signaling protocol message comprising a plurality of fields where at least one of the fields is an address of the access port. **(See Paragraph 39. The signaling protocol message is a Q.2931 setup message and has several data fields. Examiner takes Official Notice in that one of the field of a Q.2931 setup message is the address of the access port of the caller.)**, an authentication code segment that determines whether the signaling protocol message contains authentication data to authenticate the subscriber; and an associating code segment that associates the SVC connection request with data from an account corresponding to the subscriber when the subscriber is authenticated **(See Paragraphs 19, 60, and 77 and step 410 in Figure 4A and step 812 in Figure 8).**

7. Regarding **claim 26**, Gallant discloses a computer readable medium for storing the computer program, further comprising: a retrieving code segment that retrieves service policies from the subscriber account; a determining code segment that determines from the service policies whether the subscriber is entitled to access the high speed data network, as requested; and an enabling establishing code segment that speed-network establishes an SVC connection through the access port when the service policies entitle the subscriber to the requested access. **(See Paragraph 15, Figure 4A steps 402 and 404 and Paragraphs 59 and 60)**

8. With respect to **claims 25, 26, and 28**, Gallant however fails to teach location management in ATM networks where there is a registering code segment that registers an address of the remote access port in the high-speed

Art Unit: 2616

data network by substituting the address of the remote access port for an existing subscriber address corresponding to the initial access port.

*Dommety extends mobile location management in ATM networks.*

Dommety teaches location management in ATM networks where there is a registering code segment that registers an address of the remote access port in the high-speed data network by substituting the address of the remote access port for an existing subscriber address corresponding to the initial access port. **(See Column 11, Lines 38-45 and Column 12, Lines 1-20 and Figure 11)**

It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify Gallant's apparatus to incorporate location management in ATM, the motivation is to enable ATM terminals to be completely mobile and create a viable inter-working between wireless systems and the widely deployed ATM core network.

9. **Claims 34 and 35** are rejected under 35 U.S.C. 103(a) as being unpatentable over Gallant in view of Dommety as applied to claim 25 above, and further in view of Inoue et al (US 6, 973, 068), hereinafter referred to as Inoue.

10. Regarding **claim 34**, the combination of Gallant and Dommety teaches all aspects of the claimed invention as set forth in the rejection of claim 25 but fails to expressly disclose a computer readable medium for storing the computer program, wherein the authentication data comprises an identifier and a password associated with the subscriber.

*Inoue teaches individual user authentication in a mobile IP*

Art Unit: 2616

*communication scheme.*

Inoue discloses a computer readable medium for storing the computer program, wherein the authentication data comprises an identifier and a password associated with the subscriber. **(See Figures 7, 8A and 8B)**

11. Regarding **claim 35**, the combination of Gallant and Dommety teaches all aspects of the claimed invention as set forth in the rejection of claim 25 but fails to expressly disclose a computer readable medium for storing the computer program, further comprising: a removing code segment that removes the password from the signaling protocol message after the subscriber is authenticated.

Inoue discloses a computer readable medium for storing the computer program, further comprising: a removing code segment that removes the password from the signaling protocol message after the subscriber is authenticated. **(See Figure 15, element 113).**

12. With respect to **claims 34 and 35**, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the combination of Gallant's and Dommety's apparatus to incorporate password security system, the motivation is to provide security at all levels of the network.

13. **Claim 36, 37 and 41-46** are rejected under 35 U.S.C. 103(a) as being unpatentable over Cunetto et al (US Pub. No. 2002/0024954), hereinafter referred to as Cunetto, in view of Dommety et al (US 6, 078, 575), hereinafter referred to as Dommety.

*Cunetto teaches ATM SVC signaling.*

Art Unit: 2616

14. Regarding **claims 36 and 44**, Cunetto teaches a method for originating a switched virtual circuit (SVC) connection for a subscriber in an asynchronous transfer mode (ATM) network from an ATM access port associated with the subscriber, the method comprising: receiving a signaling protocol message from the ATM access port requesting the SVC connection (**See Figure 3 and Paragraph 78**), the signaling protocol message comprising a plurality of fields, a first field containing a customer identifier and a second field containing an access port identifier corresponding to the ATM access port (**The signaling protocol message is a Q.2931 setup message and has several data fields. Examiner takes Official Notice in that the fields of a Q.2931 setup message adequately meet this limitation**); verifying that the customer identifier corresponds to the subscriber (**See Paragraph 79**); retrieving a service policy from an account associated with the subscriber (**See Paragraphs 79 and 80**); determining whether the retrieved service policy permits the SVC connection (**See Paragraphs 78-80**); and when the retrieved service policy permits the SVC connection, establishing the SVC connection (**See Figure 3**)

Cunetto, however, fails to teach location management in ATM networks where there is a registering of the access port identifier in association with the subscriber.

17. Regarding **claims 37, 45 and 46**, Cunetto fails to disclose location management in ATM networks where there is registering the access port identifier comprises replacing an original access port identifier corresponding

Art Unit: 2616

to the previously registered access port.

18. With respect **claims 36, 37, and 44-46**, Dommety discloses location management in ATM networks where there is registering the access port identifier in association with the subscriber comprises replacing an original access port identifier corresponding to the previously registered access port.

**(See Column 11, Lines 38-45 and Column 12, Lines 1-20 and Figure 11)**

It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify Cunetto's apparatus to incorporate location management in ATM, the motivation is to enable ATM terminals to be completely mobile and create a viable inter-working between wireless systems and the widely deployed ATM core network.

19. Regarding **claim 41**, Cunetto discloses a method, in which the signaling protocol message comprises a SETUP message. **(See Figure 3)**

20. Regarding **claim 42**, Cunetto discloses a method, in which the first field comprises a Calling Party Number field. **(The signaling protocol message is a Q.2931 setup message and has several data fields and one of the fields is a Calling Party Number. Examiner takes Official Notice in that the fields of a Q.2931 setup message adequately meet this limitation)**

21. Regarding **claim 43**, Cunetto discloses a method, in which the third field comprises a Calling Party Sub address field. **(The signaling protocol message is a Q.2931 setup message and has several data fields and one of the fields is a Calling Party Sub address. Examiner takes Official Notice in that the fields of a Q.2931 setup message adequately meet this limitation)**



Art Unit: 2616

23. **Claims 38-40 and 47-49** are rejected under 35 U.S.C. 103(a) as being unpatentable over Cunetto in view of Dommety as applied to claims 36 and 44 above, and further in view of Inoue et al (US 6, 973, 068), hereinafter referred to as Inoue.

24. Regarding **claims 38 and 47**, the combination of Cunetto and Dommety teaches all aspects of the claimed invention as set forth in the rejection of claims 36 and 44 but fails to expressly disclose a Password Security scheme in which a third field of the plurality of fields contains a customer password, the method further comprising: verifying that the password corresponds to the customer identifier.

Inoue discloses a Password Security scheme in which a third field of the plurality of fields contains a customer password, the method further comprising: verifying that the password corresponds to the customer identifier. **(See Figures 6B and 8B)**

25. Regarding **claims 39 and 48**, the combination of Cunetto and Dommety teaches all aspects of the claimed invention as set forth in the rejection of claims 36 and 44 but fails to expressly disclose a Password Security method in which the password is encrypted.

Inoue discloses a method in which the password is encrypted. **(See Figure 20 and 21)**

26. Regarding **claim 40**, the combination of Cunetto and Dommety teaches all aspects of the claimed invention as set forth in the rejection of claim 36 but fails to expressly disclose a Password Security method further

Art Unit: 2616

comprising: removing the password from the third field after verifying that the password corresponds to the customer identifier. **(See Figure 15, element 113).**

27. With respect to **claims 38-40, 47, and 48**, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the combination of Cunetto's and Dommety's method to incorporate password security system, the motivation is to provide security at all levels of the network.

28. Regarding **claim 49**, Cunetto discloses a computer data signal, in which the requesting signal comprises a SETUP message. **(See Figure 3)**

#### ***Response to Arguments***

29 Applicant's arguments with respect to all independent claims have been considered but are moot in view of the new ground(s) of rejection. That is Dommety clearly extends location management to pure wired and wireless ATM networks.

#### ***Conclusion***

30. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Habte Mered whose telephone number is 571 272 6046. The examiner can normally be reached on Monday to Friday 9:30AM to 5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hassan Kizou can be reached on 571 272 3088. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2616

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

05-14-2006



HASSAN KIZOU  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600